

## Recombinant Human OBFC1, His-tagged

Cat. No. OBFC1-7235H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human OBFC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>description</b>	CST complex subunit STN1, also known as OBFC1, is a component of the CST complex, a complex that binds to single-stranded DNA and is required to protect telomeres from DNA degradation. The CST complex binds single-stranded DNA with high affinity in a sequence-independent manner, while isolated subunits bind DNA with low affinity by themselves. In addition to telomere protection, the CST complex has probably a more general role in DNA metabolism at non-telomeric sites.
<b>source</b>	E. coli
<b>species</b>	Human
<b>tag</b>	His
<b>form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>molecular mass</b>	44.5 kDa (391aa)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>aa sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMQPGSSR CEEETPSLLW GLDPVFLAFA          KLYIRDILDM KESRQVPGVF LYNGHPIKQV DVLGTVIGVR ERDAFYSSYGV          DDSTGVINCI CWKKLNTESV SAAPSAAREL SLTSQLKKLQ ETIEQKTKIE          IGD TIRVRGS IRTYREEREI HATAYYKVDD PVWNIQIARM LELPTIYRKV          YDQPFHSSAL EKEEALSMPG ALDPLSLTSL LSEKAKEFLM ENRVQSFYQQ          ELEMVESLLS LANQPVIHSA CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK          GLVFQKDDGF DNLYYVTRED KDLHRKIHRI IQQDCQKPNH MEKGCHFLHI          LACARLSIRP GLSEAVLQQV LELLEDQSDI VSTMEHYTYA F</p>
<b>purity</b>	>85% by SDS - PAGE
<b>applications</b>	SDS-PAGE
<b>storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>concentration</b>	0.5 mg/ml

## GENE INFORMATION

<b>gene name</b>	<a href="#">OBFC1 oligonucleotide/oligosaccharide-binding fold containing 1 [ Homo sapiens ]</a>
<b>official symbol</b>	OBFC1
<b>synonyms</b>	OBFC1; oligonucleotide/oligosaccharide-binding fold containing 1; CST complex subunit STN1; bA541N10.2; FLJ22559; alpha accessory factor 44; suppressor of cdc thirteen homolog; replication protein A 32 kDa subunit; oligonucleotide/oligosaccharide-binding fold-containing protein 1; STN1; AAF44; AAF-44; RPA-32; RP11-541N10.2;
<b>Gene ID</b>	<a href="#">79991</a>

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<b>mrna refseq</b>	NM_024928
<b>protein refseq</b>	NP_079204
<b>mim</b>	613128
<b>uniprot id</b>	Q9H668
<b>chromosome location</b>	10q25.1
<b>function</b>	DNA binding; protein binding; single-stranded DNA binding; single-stranded telomeric DNA binding;

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